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Figure 1

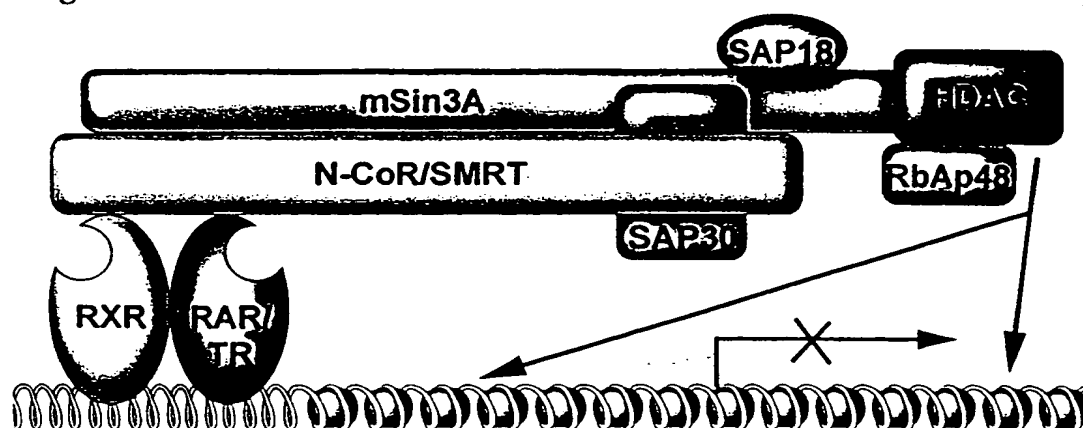


Figure 2

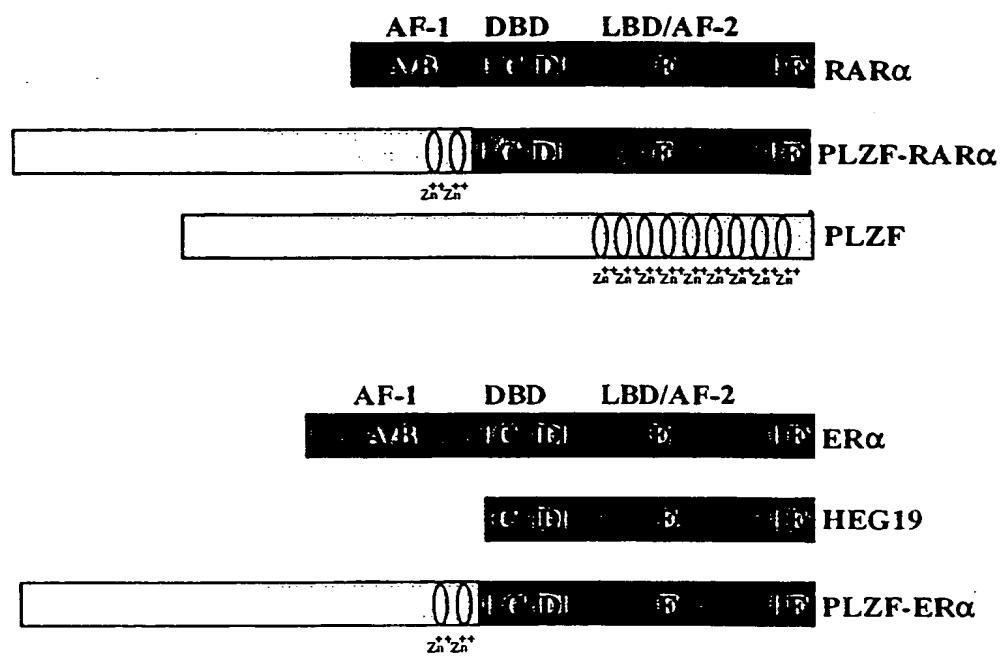


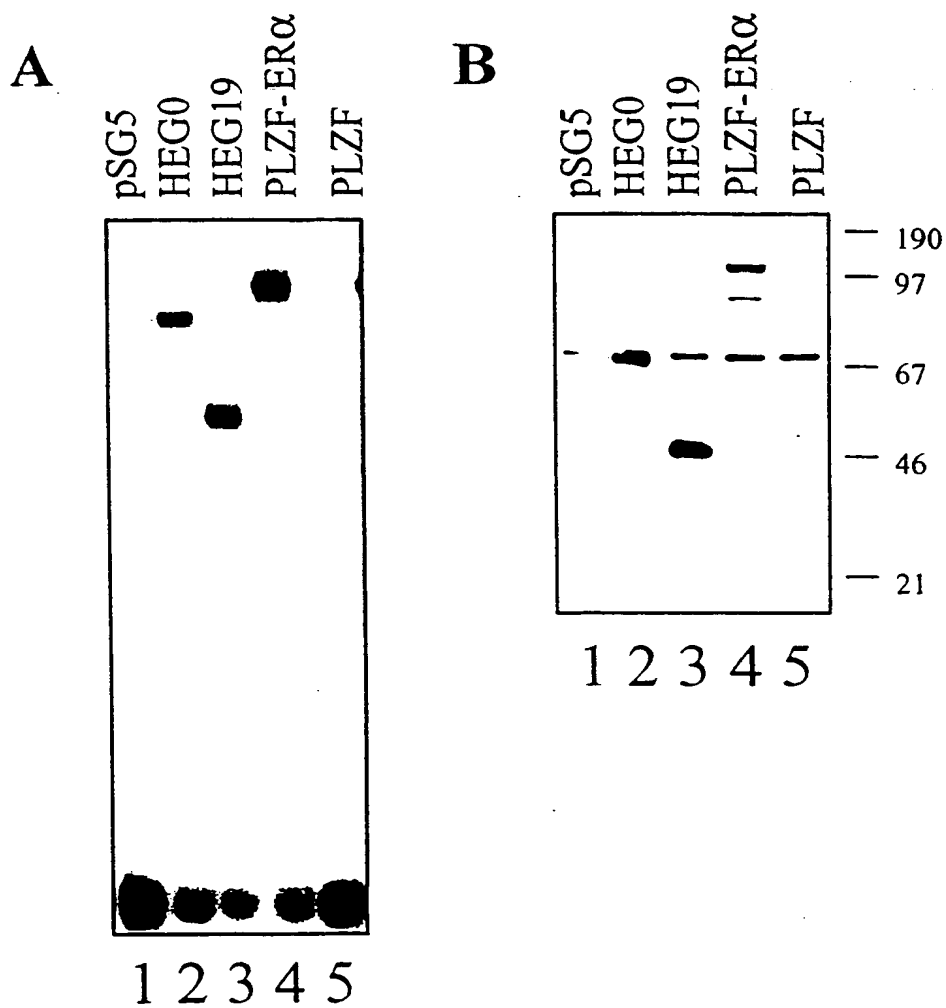
Fig. 3

Figure 4A

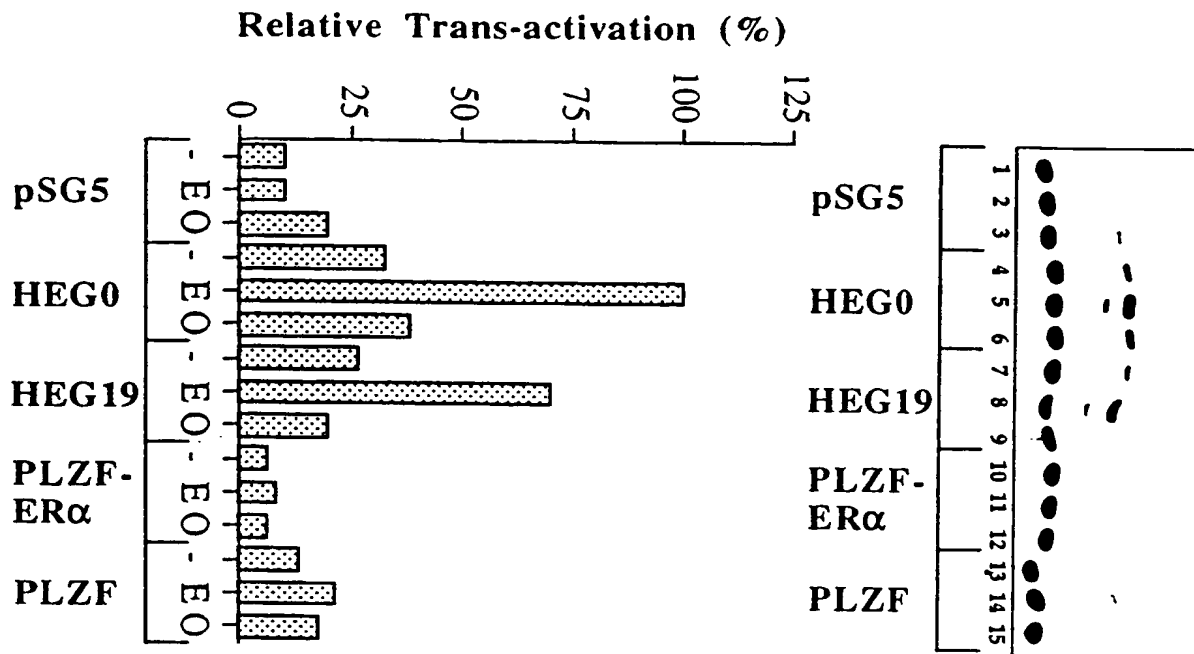


Figure 4B

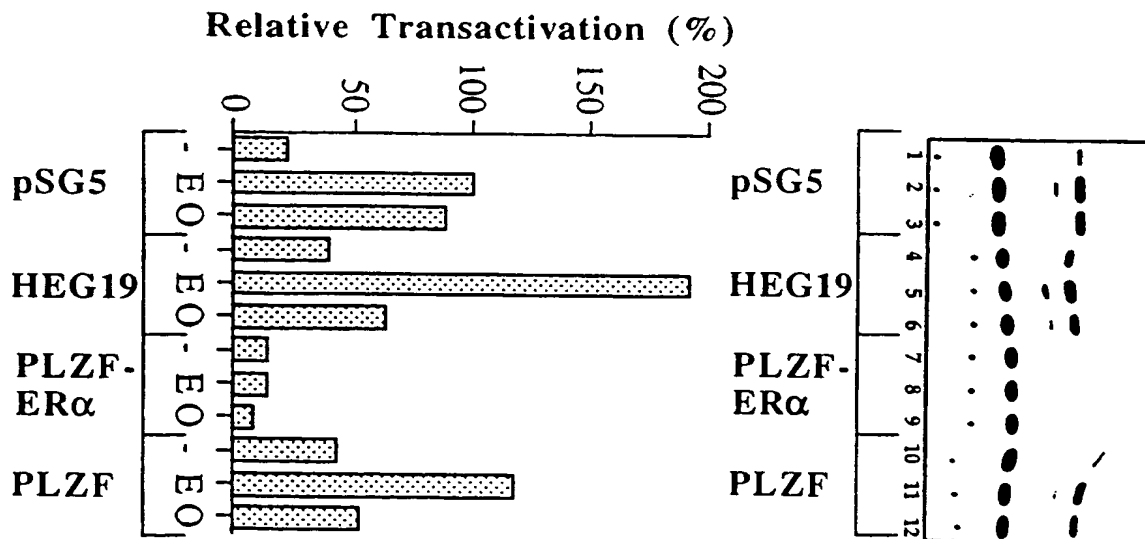


Figure 5

Alignment of the Amino Acid Sequences Encoding HDAC1 from Man, Plant and Yeast

Human HD1	M-----AQTGTRRKVCYYVYDGDVGNVYQGGHPMKPHRIRTHNLLNLYRQHEIYRPHKANAEMTKYHSDDYIKFLSRIPDNMSEYSKQ
Arabidopsis HD	MDTGGSLSA---SGPDGVRKVKCVFYDPEVGNVYQGGHPMKPHRIRTHALLAHYGLLQHMQLKPPFARERDLCRFHADDYVSFLRSITPETQQQIRQ
Yeast HD1	MYEATPFDPITVKPSDKRRVAYFYDADVGNVAYCAGHPMKPHRIRAHSLIMVGLYKKMEIYRAKPAKQECQFHTEYIDFLSRVTPDNLENFKRE
Human HD1	MORFNVGEDCPVFDGLFECQLSTGGSVASAVKLNKQTDIAVMAGGLHAKKSEASGFCYVNDIVLAILLELLKYHQRVLYIDIDHHGDCGVEEAFYTT
Arabidopsis HD	LRRFNVGEDCPVFDGLYSFCQTVAGSGVGSVKLNHGLCDIAINWAGGLHAKKCEASGFCYVNDIVLAILLELLQHERVLYVDIDHHGDCGVEEAFYAT
Yeast HD1	SUKFNVGDDCPVFDGLYEYCSISGGGSNEGAAARLNRGKCDVAVNYAGGLHAKKSEASGFCYVNDIVLIIELLYHPRVLYIDIDVHHGDCGVEEAFYTT
Human HD1	DRVMTVSFHKYGEYFPGTGDRLDIGAGKGKYAVNYPRLDGDIDDEYEAIFKPVMSKVMEHFQPSAVVLQCGSDSLSGDRLQCFNLTKGHAKCVFEVFKS
Arabidopsis HD	DRVMTVSFHKYFGDYFPGTGCHIQDIGSGKYSLNVPPLDDGIDDES YHLLFKPIGKVMIEIFRPGAVVLQCGADSLSGDRLQCFNLTKGHAEVYKFRS
Yeast HD1	DRVMTGSFHKYGEFFPGTGELRDIGVGAGKNYAVNVPRLDGDIDATYRSVFEPVIKKIHEWYQPSAVVLQCGSDSLSGDRLQCFNLSNEGHANCYVNYVKS
Human HD1	FNLPLMLGGGGYTIRNVARCWYETAVALDTEIPNELPYNDYFEGPDFKLIHSPSNHTNQNTNEYLEKIKQRLFENLRMLPHAPGVQHQAIPEDAIP
Arabidopsis HD	FNVPPLLLGGGGYTIRNVARCWCYETGVALGVEVDKMEHEYYEYFGPDYTLHVAPSNHNNKNSRQMLEIRNDLLHNLKSLQHAPSVFPQERPPDTET
Yeast HD1	FGIPNRVVGGGGYTIRNVARTWCFTGLLNNVVLDKDLPYNEYEYFGPDYKLSVRPSNMFNNTPEYLDKVNTHIFANLENTKYAPSVQLNHTPRDA--
Human HD1	EESGDEDE-----DPDKRISICSSDKRIAC--EEEFSDSEEEGEGGRKNSSNFKNKRVKTEDEKENDPENKEVTEEEKT--KEEKPEAKGVKEEVKLA
Arabidopsis HD	PEVDEDEQEDGKRWDPSDMDVDDDRKPIPSRVKREAVEPDTKDKGLGKIMERKGCCEVEVDESSTKVTGVNVPVGVVEASVTKMEEECTNKGCAEQAPPKT
Yeast HD1	EDLGDVEED-----SAEAK-----DTKCGSQYARDLHVEHDNEFY

Fig. 6

